



SEQUENCE LISTING

<110> Japan Atomic Energy Research Institute

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<120> A method for efficiently determining a DNA strand break

<130> 001458.00037

<140> US 10/664,044

<141> 2003-09-17

<150> JP 2003-26303

<151> 2003-02-03

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 284

<212> PRT

<213> Deinococcus radiodurans, strain KD8301

<220>

<223> Amino acid sequence of DNA repair promoting protein, PprA, of
Deinococcus radiodurans, strain KD8301.

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Gly	Val	Asp	Ser
			30
Gln	Ile	Ala	Ala
Leu	Ala	Ala	Ser
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Glu	Ala	Asp	Ala
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Gly	Thr	Leu	Asp
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Ala	Ala	Leu	Thr
Gln	Ser	Leu	Gln
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Glu	Ala	Gln	Gly
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Arg	Trp	Gly	Leu
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Gly	Leu	Gly	Leu
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Ala	Arg	Leu	Thr
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Asp	Asp	Gly	Asp
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Ile	Glu	Ile	Leu
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Thr	Asp	Gly	Arg
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Val	Ser	Glu	Gly
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Phe	Gly	Ala	Leu
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Ala	Gln	Ala	Tyr
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Ala	Pro	Met	Gln
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Ala	Leu	Asp	Glu
Arg	Gly	Leu	Ser
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Gln	Trp	Ala	Ala
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Leu	Gly	Glu	Gly
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Tyr	Arg	Ala	Pro
Gly	Asp	Leu	Pro
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Leu	Ala	Gln	Leu
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Lys	Val	Leu	Ile
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Glu	His	Ala	Arg
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Asp	Phe	Glu	Thr
Asp	Trp	Ser	Ala
Gly	Arg	Gly	Glu
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Thr	Phe	Gln	Arg
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Val	Trp	Arg	Lys
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Gly	Asp	Thr	Leu
Phe	Val	Glu	Val
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Ala	Arg	Pro	Ala
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Ser	Ala	Glu	Ala
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Ala	Leu	Ser	Asp
Ala	Ala	Trp	Asp
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Val	Ile	Ala	Ser
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Ile	Lys	Asp	Arg
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Ala	Phe	Gln	Arg
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Arg	Ser	Glu	Lys
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Asp	Gly	Met	Leu
Gly	Ala	Leu	Leu
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Gly	Ala	Arg	His
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Ala	Asn	Leu	Ala
Gln	Leu	Pro	Glu
Ala	His	Phe	Thr
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Val	Gln	Ala	Phe
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Val	Gln	Thr	Leu
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Ser	Gly	Ala	Ala
Ala	Arg	Asn	Ala
Glu	Glu	Tyr	Arg
Ala	Ala	Leu	Lys

245

250

255

Thr Ala Ala Ala Ala Leu Glu Glu Tyr Gln Gly Val Thr Thr Arg Gln
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Leu Ser Glu Val Leu Arg His Gly Leu Arg Glu Ser
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<212> DNA

<213> Deinococcus radiodurans, strain KD8301

<220>

<223> Nucleotide sequence of DNA repair promoting protein, pprA, of
 Deinococcus radiodurans, strain KD8301.

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<212> DNA

<213> Deinococcus radiodurans

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<223> Sense primer for amplifying pprA gene.

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<212> DNA

<213> Deinococcus radiodurans

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<223> Antisense primer for amplifying pprA gene.

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